



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

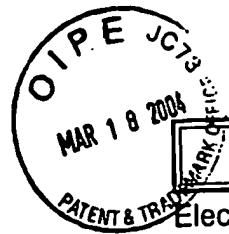
Electronic Version v18

Stylesheet Version v18.0

Title of Invention	ANTENNA CONFIGURATIONS FOR REDUCED RADAR COMPLEXITY						
Application Number:	10/619020						
Confirmation Number:	6396						
First Named Applicant:	Joseph Pleva						
Attorney Docket Number:	RTN-147CUS						
Art Unit:	3662						
Search string:	(4409899 or 5812083 or 6069581 or 6268793 or 6297732 or 6339369).pn.						
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
1	1	4409899	1983-10-18	Owen et al.			
2	2	5812083	1998-09-22	Johnson et al.			
3	3	6069581	2000-05-30	Bell et al.			
4	4	6268793	2001-07-31	Rossi			
5	5	6297732	2001-10-02	Hsu et al.			
6	6	6339369	2002-01-15	Paranjpe			

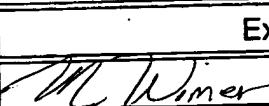
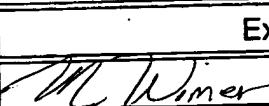
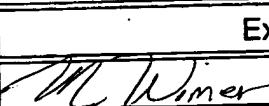
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Examiner Name	Date



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<h3>US Patent Documents</h3> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>1</td><td>1</td><td>5132693</td><td>1992-07-21</td><td>Werp</td><td></td><td></td><td></td></tr><tr><td>2</td><td>2</td><td>6160514</td><td>2000-12-12</td><td>Judd</td><td></td><td></td><td></td></tr><tr><td>3</td><td>3</td><td>6307882</td><td>2001-10-23</td><td>Marzetta</td><td></td><td></td><td></td></tr><tr><td>4</td><td>4</td><td>6463303</td><td>2002-10-08</td><td>Zhao</td><td></td><td></td><td></td></tr><tr><td>5</td><td>5</td><td>6642908</td><td>2003-11-04</td><td>Pleva et al</td><td></td><td></td><td></td></tr></tbody></table>								init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	1	1	5132693	1992-07-21	Werp				2	2	6160514	2000-12-12	Judd				3	3	6307882	2001-10-23	Marzetta				4	4	6463303	2002-10-08	Zhao				5	5	6642908	2003-11-04	Pleva et al			
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**SUPPLEMENTAL
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Sheet 1 of 2

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PTO/USPTO (02-03)
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Information on a separate sheet

Application Number	10/619,020
Filing Date	July 14, 2003
First Named Inventor	Joseph S. Pleva
Art Unit	2821 2828
Examiner Name	Net Yet Assigned (Wink)
Attorney Docket Number	RTN-147CJS

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<p>Substitute for form 1449/PTO</p> <p>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use as many sheets as necessary)</p>				<p>Complete If Known</p>	
				<p>Application Number</p>	10/619,020
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				<p>Art Unit</p>	2821 2828
				<p>Examiner Name</p>	Not Yet Assigned Wimer
Sheet	2	of	2	Attorney Docket Number	RTN-147CUS

Examiner Signature		Date Considered	12/02/2004
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

Complete if Known	
Application Number	10/619,020
Filing Date	July 14, 2003
First Named Inventor	Joseph S. Pleva
Art Unit	2828
Examiner Name	Michael C. Wimer
Attorney Docket Number	RTN-147CUS

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Attorney Docket Number

BTN-147GUS

<p>Substitute for form 1449/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use as many sheets as necessary)</p>				<p>Complete If Known</p>	
				<p>Application Number</p>	10/619,020
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				<p>Art Unit</p>	2828
				<p>Examiner Name</p>	Michael C. Wimer
Sheet	2	of	2	Attorney Docket Number	RTN-147CUS

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	12/02/2004
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Sheet 1 of 2

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Application Number	10/619,020
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First Named Inventor	Joseph S. Pleva
Art Unit	2828
Examiner Name	Michael C. Wimer
Attorney Docket Number	RTN-147CUS

U. S. PATENT DOCUMENTS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>Jean</i>		Number-Kind Code ² (if known)			
		US- 4,063,243	12/13/1997	Anderson et al.	
		US-			

FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
<i>Mark</i>	GB 1 143 997		02/26/1969	Raytheon Company	
<i>Mark</i>	GB 2 315 644		02/04/1998	Motorola	
<i>Mark</i>	EP 0 668 627		08/23/1995	Northern Telecom Ltd.	
<i>Mark</i>	EP 0 883 208		12/09/1998	Northern Telecom Ltd.	
<i>Mark</i>	EP 0 398 555		11/22/1990	Hughes Aircraft Co.	
<i>Mark</i>	JP 2000 114866		04/21/2000	Perlow et al.	

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M. J. Wink

Date
Considerat

3/15/2005

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Sheet

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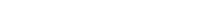
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OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

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16 2001
Filed 7/14/03 10/6/09, 020
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Sheet 1 of 2 Attorney Docket Number

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Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	Joseph S. Pleva
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	RTN-147CLUS

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		Number-Kind Code ² (if known)			
✓	*	US- 5189426	02/23/1993	Asbury et al.	
✓	*	US- 5249027	09/28/1993	Mathur et al.	
✓	*	US- 5249157	09/28/1993	Taylor	
✓	*	US- 5268692	12/07/1993	Grosch et al.	
✓	*	US- 5280288	01/18/1994	Sherry et al.	
✓	*	US- 5285207	02/08/1994	Asbury et al.	
✓	*	US- 5302956	04/12/1994	Asbury et al.	
✓	*	US- 5315303	05/24/1994	Tsou et al.	
✓	*	US- 5341144	08/23/1994	Stove	
✓	*	US- 5351044	09/27/1994	Mathur et al.	
✓	*	US- 5390118	02/14/1995	Margolis et al.	
✓	*	US- 5400864	03/28/1995	Winner et al.	
✓	*	US- 5454442	10/03/1995	Labuhn et al.	
✓	*	US- 5467072	11/14/1995	Michael	
✓	*	US- 5467283	11/14/1995	Butsuen et al.	
✓	*	US- 5471214	11/28/1995	Faibish et al.	
✓	*	US- 5481268	01/02/1996	Higgins	
✓	*	US- 5483453	01/09/1996	Uemura et al.	
✓	*	US- 5485155	01/16/1996	Hibino	

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W. J. Wimer

Date Considered

12/02/204

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U. S. PATENT DOCUMENTS

Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	Joseph S. Pleva
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	RTN-147CUS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
JW	*	US- 4143370	03/06/1979	Yamanaka et al.	
	*	US- 4217582	08/12/1980	Endo et al.	
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	*	US- 4543577	09/24/1985	Tachibana et al.	
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	*	US- 4703429	10/27/1987	Sakata	
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	*	US- 4994809	02/19/1991	Yung et al.	
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✓	*	US- 5134411	07/28/1992	Adler	
✓	*	US- 5173859	12/22/1992	Deering	

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Examiner
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W. Palmer

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19/02/2004

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filed 7/4/2003

10/619,020

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PTO/SB/08A (02-03)

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Substitute for form 1449/PTO				Complete if Known	
				Application Number	Not Yet Assigned
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				First Named Inventor	Joseph S. Pleva
				Art Unit	Not Yet Assigned
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Sheet	1	of	2	Attorney Docket Number	RTN-147CUS

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Number-Kind Code ² (if known)					
<i>JP</i>	*	US- 5451960	09/19/1995	Kastella et al.	
	*	US- 5929802	07/27/1999	Russell et al.	
	*	US- 5999092	12/07/1999	Smith et al.	/
	*	US- 6037860	03/14/2000	Zander et al.	
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	*	US- 5757307	05/26/1998	Nakatani et al.	
	*	US- 5479173	12/26/1995	Yoshioka et al.	
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<i>JP</i>	*	US- 4507662	03/26/1985	Rothenberg et al.	

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Country Code ² Number ⁴ Kind Code ⁵ (if known)					
<i>JP</i>	*	2 709 834	09/10/1993	FR	
<i>JP</i>	*	198 50 128	05/28/1999	DE	
<i>JP</i>	*	EP 0 932 052	07/28/1999	EP	
<i>JP</i>	*	198 55 400	12/01/1998	DE	
<i>JP</i>	*	0 484 995	05/13/1992	EPO	
<i>JP</i>	*	0 784 213	01/13/1996	EPO	

Examiner Signature:	<i>Joseph S. Pleva</i>	Date Considered	12/2/2004
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10/6/9,020

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	Not Yet Assigned
				Filing Date	Herewith
				First Named Inventor	Joseph S. Pleva
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	RTN-147CUS

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
<i>John</i>	•	International Search Report of PCT Application No. PCT/US01/25638 dated May 7, 2002.			
	•	Partial International Search Report of PCT Application No. PCT/US01/25642 dated May 27, 2002.			
	•	International Search Report of PCT Application No. PCT/US01/42065 dated May 14, 2002.			
	•	International Search Report of PCT Application No. PCT/US01/25594 dated May 7, 2002.			
	•	G.S. Dow, et al. "Monolithic Receivers with Integrated Temperature Compensation Function", IEEE GaAs IC Symposium, 1991, pp. 267-269.			
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	•	Sangster, Alan et al. "A Moment Method Analysis of a Transverse Slot Fed by a Boxed Stripline", (No Date) pp. 146-149.			
	•	Schaubert, Daniel H. et al. "Moment Method Analysis of Infinite Stripline-Fed Tapered Slot Antenna Arrays with a Ground Plane", IEEE Transactions on Antennas and Propagation, Vol. 42, No. 8, August 1994, pp. 1161.			
	•	Smith, Peter "Transverse Slot Radiator in the Ground-Plane of Enclosed Stripline", 10th International Conference on Antennas and Propagation 14.17, April 1997, 5 pages.			
<i>John</i>	•	Theron, Isak Petrus et al. "On Slotted Waveguide Antenna Design at Ka-Band", IEEE Trans. Vol. 32, October 1984, pp. 1425-1426.			

Examiner Signature	<i>MR. Winer</i>	Date Considered	12/02/2004
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Filed 7/4/2003 10/6/9,028

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				First Named Inventor	Joseph S. Pleva
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	3	Attorney Docket Number	RTN-147CUS

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
<i>Jay</i>	*	US- 4962383	10/09/1990	Tresselt	
	*	US- 6097931	08/01/2000	Weiss et al.	
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	*	US- 5929802	07/27/1999	Russell et al.	
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	*	US- 6026347	02/15/2000	Schuster	
	*	US- 6104336	09/15/2000	Curran et al.	
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	*	US- 5999119	12/07/1999	Carnes et al.	
<i>Y</i>	*	US- 5249157	09/28/1993	Taylor	
<i>Joe</i>	*	US- 5396252	03/07/1995	Kelly	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
<i>TM</i>	*	EP 0 978 729 A2	02/09/2000			
<i>Joe</i>	*	EP 0 642 190 A1	12/30/1993			
<i>Joe</i>	*	EP 0 887 658	12/30/1998			
<i>Joe</i>	*	DE 195 23 693	05/14/1998			
<i>Joe</i>	*	DE 196 32 889	02/19/1998			
<i>Joe</i>	*	0 398 712	05/17/1990			

Examiner Signature	<i>J. P. Dwyer</i>	Date Considered	12/02/2004
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Sheet

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3

Application Number	Not Yet Assigned
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		Number-Kind Code ² (if known)			
	*	US- 5613039	03/18/1997	Wang et al.	
	*	US- 5619208	04/08/1997	Tamatsu et al.	
	*	US- 5625362	04/29/1997	Richardson	
	*	US- 5633642	05/27/1997	Hoss et al.	
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	*	US- 6026353	02/15/2000	Winner	
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	*	1 020 989	07/19/2000			
	*	0 982 173	03/01/2000			

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Signature:

M. Wimer

Date
Considered

12/02/2004

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10/6/9 020

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>MW</i>	•	International Search Report of PCT Application No. PCT/US01/25676 dated December 21, 2001.	
	•	International Search Report of PCT Application No. PCT/US01/25677 dated April 17, 2002.	
	•	Barnett, Roy I. et al, "A Feasibility Study of Stripline-Fed Slots Arranged as a Planar Array with Circular Grid and Circular Boundary", IEEE, 1989, pp. 1510-1515.	
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Examiner Signature	<i>M. Miner</i>	Date Considered	12/02/2004
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✓	*	US- 6233516	05/15/2002	Egawa	
	*	US- 6255984	06/06/2001	Kreppold et al.	
	*	US- 6256573	07/03/2001	Higashimata	
	*	US- 6259495	07/10/2001	Adachi et al.	
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	*	US- 6269298	07/31/2001	Seto	
	*	US- 6278400	08/01/2001	Cassen et al.	
	*	US- 6317073	11/13/2001	Tamatsu et al.	
	*	US- 6317075	11/13/2001	Heide et al.	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ - Kind Code ⁵ (if known)				
✓	*	EP 0 978 729 A2	02/09/2000			
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✓	*	0 398 712	05/17/1990			

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Application Number	Not Yet Assigned
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First Named Inventor	Joseph S. Pleva
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	RTN-147CUS

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
	*	US- 5521579	05/28/1996	Bernhard	
	*	US- 5583495	12/10/1996	Ben Lu Lu	
	*	US- 5654715	08/05/1997	Hayashikura et al.	
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				First Named Inventor	Joseph S. Pleva
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
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OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS		
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		International Search Report of PCT Application No. PCT/US01/25676 dated December 21, 2001.
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Filing Date	Herewith
First Named Inventor	Joseph S. Pleva
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	RTN-147CUS

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<i>PS</i>	*	US- 6049257	04/11/2000	Hauk	
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First Named Inventor	Joseph S. Pleva
Art Unit	Not Yet Assigned
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		Number-Kind Code ² (if known)			
	*	US- 6225918	05/05/2001	Kam	
	*	US- 6232910	05/15/2001	Bell et al.	
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	*	US- 4079377	03/14/1978	zur Heiden et al.	

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				First Named Inventor	Joseph S. Pleva
				Art Unit	Not Yet Assigned
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<i>JW</i>	*	US- 5777563	07/07/1998	Minissale et al.	
	*	US- 5805103	09/08/1998	Doi et al.	
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<i>JW</i>	*	US- 6040796	03/21/2000	Matsugatani et al.	
<i>JW</i>	*	US- 6043772	03/28/2000	Voigtlaender, et al.	

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<i>JW</i>	*	2 709 834	09/10/1993	FR	
	*	198 50 128	05/28/1999	DE	
	*	EP 0 932 052	07/28/1999	EP	
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	*	0 484 995	05/13/1992	EPO	
<i>JW</i>	*	0 784 213	01/13/1996	EPO	

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Sheet	2	of	2	First Named Inventor	Joseph S. Pleva
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		International Search Report of PCT Application No. PCT/US01/25638 dated May 7, 2002.	
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		International Search Report of PCT Application No. PCT/US01/42065 dated May 14, 2002.	
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